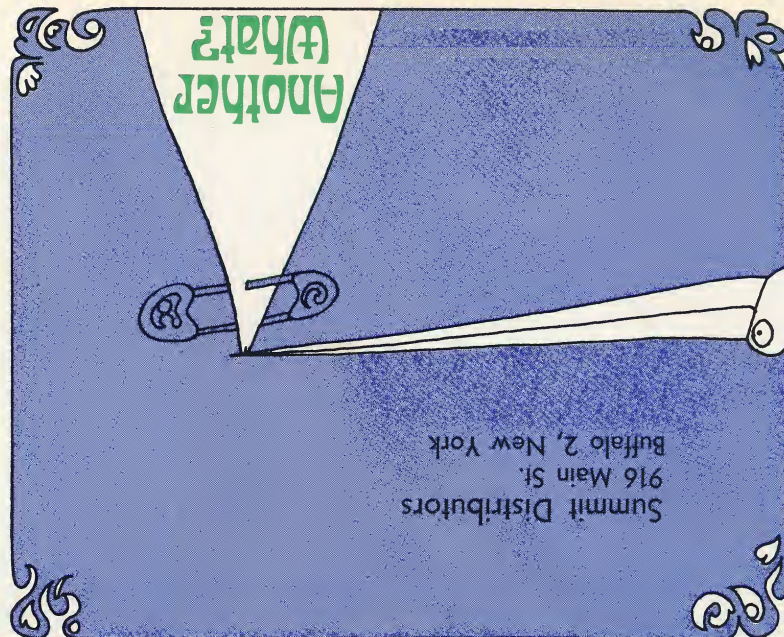


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### RCA'S FAMILY OF "OVERLAY" TRANSISTORS

Application	RCA Type	Freq. Range Mc/s	P <sub>out</sub> (Min.) W @ Mc/s	VCC	f <sub>T</sub> (Typ.) Mc/s	C <sub>ob</sub> (Max.) pF	P <sub>T</sub> (Max.) @ T <sub>cw</sub> =25°C	JEDEC Package "TO—"
General Purpose Community and Master Antenna TV Systems	2N3632	2- 300	13.5	175	28	400	15	23 60
	2N3553	2- 400	2.5	175	28	500	8	7.0 39
	2N3866	2- 400	1	400	28	800	3	4 39
	2N3375	2- 500	3	400	28	500	8	11.6 60
	2N3733	2- 500	10	400	28	400	15	23 60
	TA2658A	2-1000	1	400	28	800	3	4 39
FM Mobile & Portable Communication	40340	2- 100	25	50	13.5	125	120	70 60
	40341	2- 100	30	50	24	125	85	70 60
	40280	2- 200	1	175	13.5	550	10	7.0 39
	40281	2- 200	4	175	13.5	400	20	11.6 60
	40282	2- 200	12	175	13.5	350	40	23 60
	2N3632	2- 300	13.5	175	28	400	15	23 60
	2N3553	2- 400	2.5	175	28	500	8	7.0 39
	2N3375	2- 500	3	400	28	500	8	11.6 60
	2N3733	2- 500	10	400	28	450	15	23 60
Application	RCA Type	Freq. Range Mc/s	P <sub>out</sub> (Min.) W @ Mc/s	VCC	f <sub>T</sub> (Typ.) Mc/s	C <sub>ob</sub> (Max.) pF	P <sub>T</sub> (Max.) @ T <sub>cw</sub> =25°C	JEDEC Package "TO—"
AM Aircraft Communication Business Radio	40290*	135	2	135	12.5	500	8	7.0 39
	40291*	135	2	135	12.5	500	8	11.6 60
	40292*	135	6	135	12.5	300	15	23 60
	40330	135	3	135	24	500	8	7.0 39
	40331	135	3	135	24	500	8	11.6 60
	40332	135	8	135	24	400	15	23 60
Military Communication Business Radio Citizens Band	2N3632	2- 300	13.5	175	28	400	15	23 60
	2N3553	2- 400	2.5	175	28	500	8	7.0 39
	2N3375	2- 500	3	400	28	500	8	11.6 60
Ultra-High Reliability	40279	2- 500	3	400	28	500	8	11.6 60
	40342	2- 300	13.5	175	28	400	15	23 60
	40343	2- 500	10	400	28	400	15	23 60
High-Reliability	40305	2- 400	2.5	175	28	500	8	7.0 39
	40306	2- 500	3	400	28	500	8	11.6 60
	40307	2- 300	13.5	175	28	400	15	23 60

\*Characterized for RF breakdown

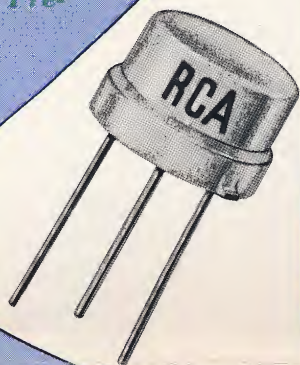
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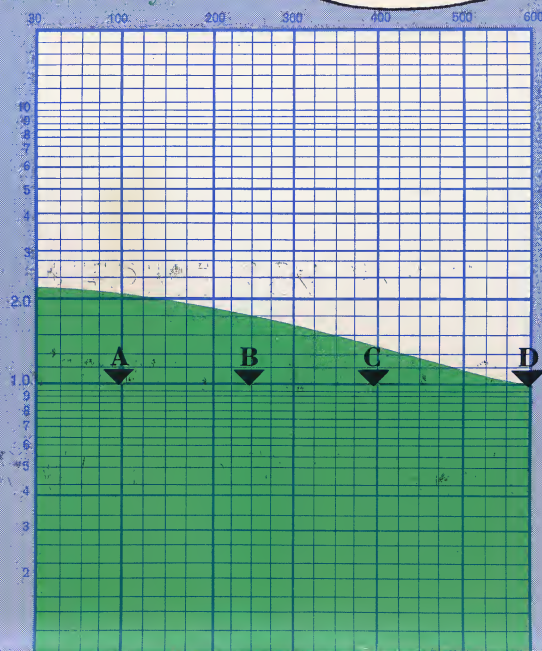


RCA-2N3866, first of the new high-gain, high-frequency "overlay" types offers a guaranteed minimum of 1 watt power output at 400 Mc/s (10 dB gain) from a 28-volt supply. The advanced overlay design of the 2N3866 provides a very high emitter periphery-to-emitter area ratio. Result: high power gain, low output capacitance, high RF current handling capability. Applications for the 2N3866 are many and varied. Pre-driver, driver, and output stages from Citizens'-Band frequencies to UHF—for operation from 28 volt supplies. Give us a call today for price and delivery information on the 2N3866 and other types in RCA's fast-growing family of overlay transistors. RCA-2N3866 and the complete overlay line are in stock, available for immediate delivery. Call or write us today!



## Another Big New Addition to RCA's "Overlay" Transistor Family—2N3866

High Gain  
Broad Power Range  
Wide Frequency Spectrum  
→ Economy



A 1W  $P_{out}$   
20 dB (typ)  
100 Mc/s

B 1W  $P_{out}$   
15 dB (typ)  
250 Mc/s

C 1W  $P_{out}$   
10 dB (min.)  
400 Mc/s

D 1W  $P_{out}$   
7.4 dB (typ)  
600 Mc/s



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